CERILON

Building Tomorrow, Today

Ownership

We take ownership for the challenges and opportunities before us and are individually accountable for our work and ethical behavior.

Leadership

We act with humility, integrity, and courage to ensure we achieve our collective and individual goals.

Stewardship

We allocate and manage our relationships and assets in ways that lead to sustainable benefits for people, the economy, and the environment.

Excellence

We are committed to finding creative solutions with a focus on continuous improvement and delivering exceptional results in everything we do.

Project Location:
Trenton North Dakota

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15
miles SW
from Williston

2025
Construction
Starts

370
Acre Site

2028

Building a Gas-to-Liquids Facility in North Dakota

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Right People

Our team has extensive GTL experience with expertise across the entire conversion process from gas supply to product off-take, including technology, engineering, construction, automation, and operations.

Right Partners

Our partners include top global energy companies, engineering firms, and technology providers. We are working closely with State, County, and other local partners.

- Partners for feedstock & offtake
- State & county support

Right Technology

GTL is a proven technology, and recent innovations support a robust business case. An advanced technology configuration combined with carbon capture allows Cerilon to produce high-value products with a reduced carbon footprint.

3x

Value generation from gas-in to product-out

Right Timing

Cerilon's energy transition solution will harness North Dakota's excess natural gas to generate economic opportunity, promote energy self-sufficiency and security, and respond to global demands for lower-carbon energy products.

- Energy demand & domestic security needs
- Demand for lower carbon footprint products

Building a Gas-to-Liquids Facility in North Dakota

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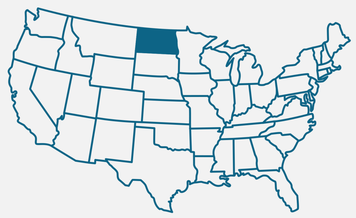
The Facility

Cerilon is developing a GTL facility to convert 240 million SCF/day of natural gas into 24,000 bpd of energy products using state-of-the-art technology and design.

24,000
barrels per day

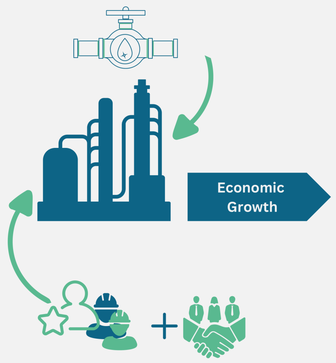
The Location

After an exhaustive site selection study, Cerilon selected Trenton, North Dakota, due to its access to utilities/infrastructure, abundant natural gas supply, suitable geology for carbon sequestration, and available transportation to markets.



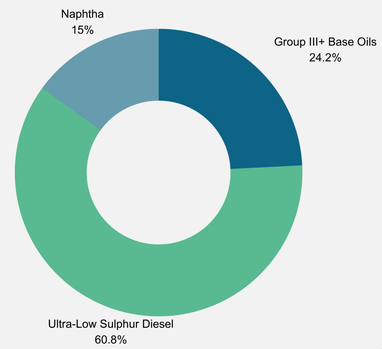
The Benefits

Cerilon’s GTL facility will provide an exceptional, environmentally responsible way to convert natural gas into valuable products and bring new technology, business opportunities, and quality jobs to North Dakota.



The Products

Cerilon’s innovative GTL facility will produce premium-quality synthetic energy products, including lubricant base oils, ultra-low sulfur diesel, and naphtha.



Gas-to-Liquids: Products

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Benefits

Cerilon's GTL products offer exceptional performance characteristics with ultra-low impurity levels. These will be the first GTL products manufactured in a facility deploying carbon capture and sequestration in the world.

Base Oils

Cerilon GTL base oils are unique, premium-quality synthetic fluids classified as Group III+, which are the best base oils currently available. Lubricants formulated using Cerilon's base oils will increase engine efficiency, creating fuel and greenhouse gas emission savings. Cerilon will be the first producer of Group III+ base oils in North America.

Naphtha

A mixture of hydrocarbons that may be sold to petroleum refineries or chemical plants for further processing or used as a diluent to reduce the viscosity of bitumen in the Canadian oil sands for pipeline transport.

Diesel

A fully fungible drop-in alternative for crude oil-based diesel that offers a cleaner engine burn with reduced emission levels, contributing to the decarbonization of the transportation sector. Unlike conventional diesel, GTL diesel is nearly odorless and is readily bio-degradable.

Gas-to-Liquids: Process

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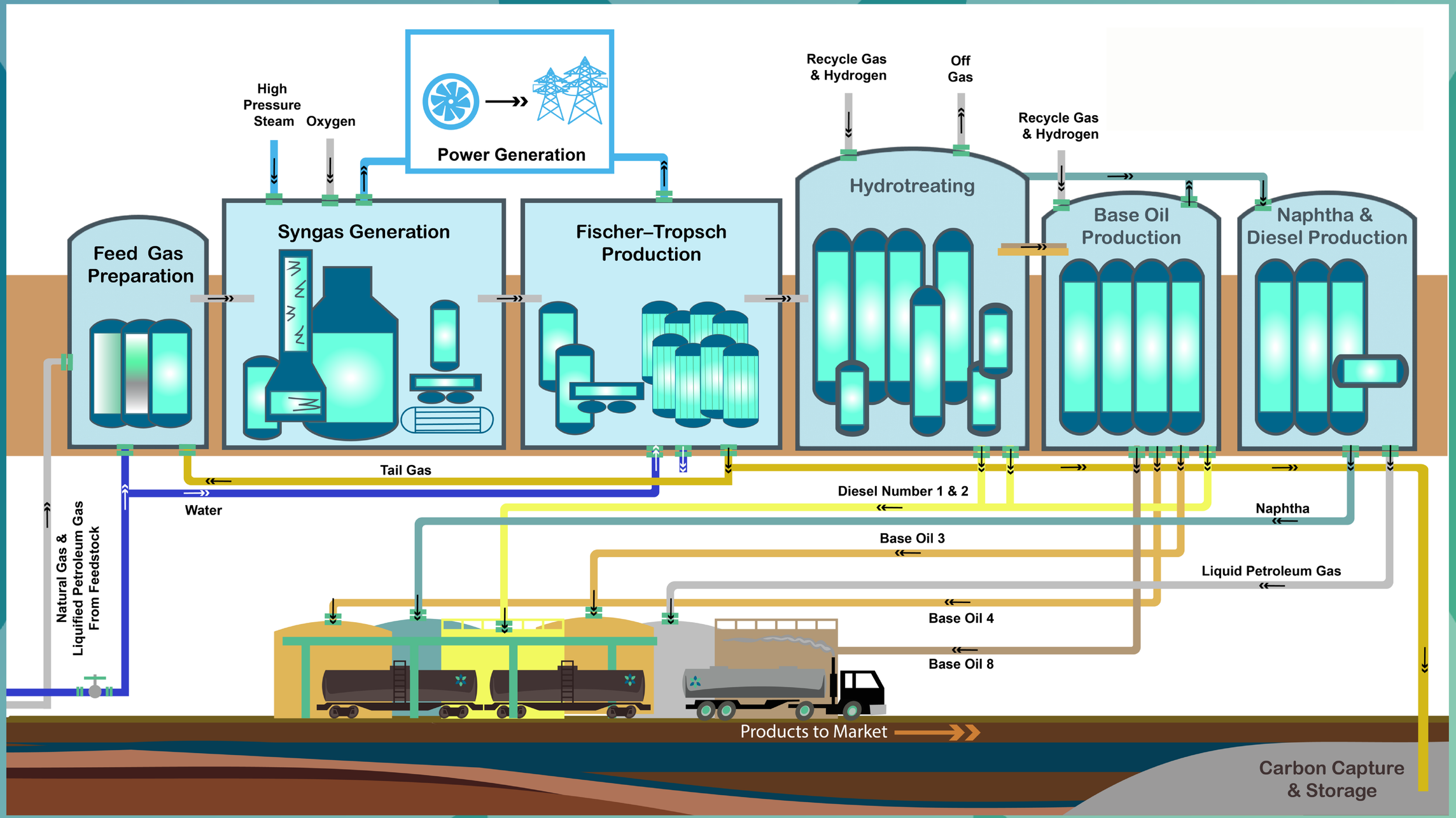

Gas-to-Liquids: Key Milestones

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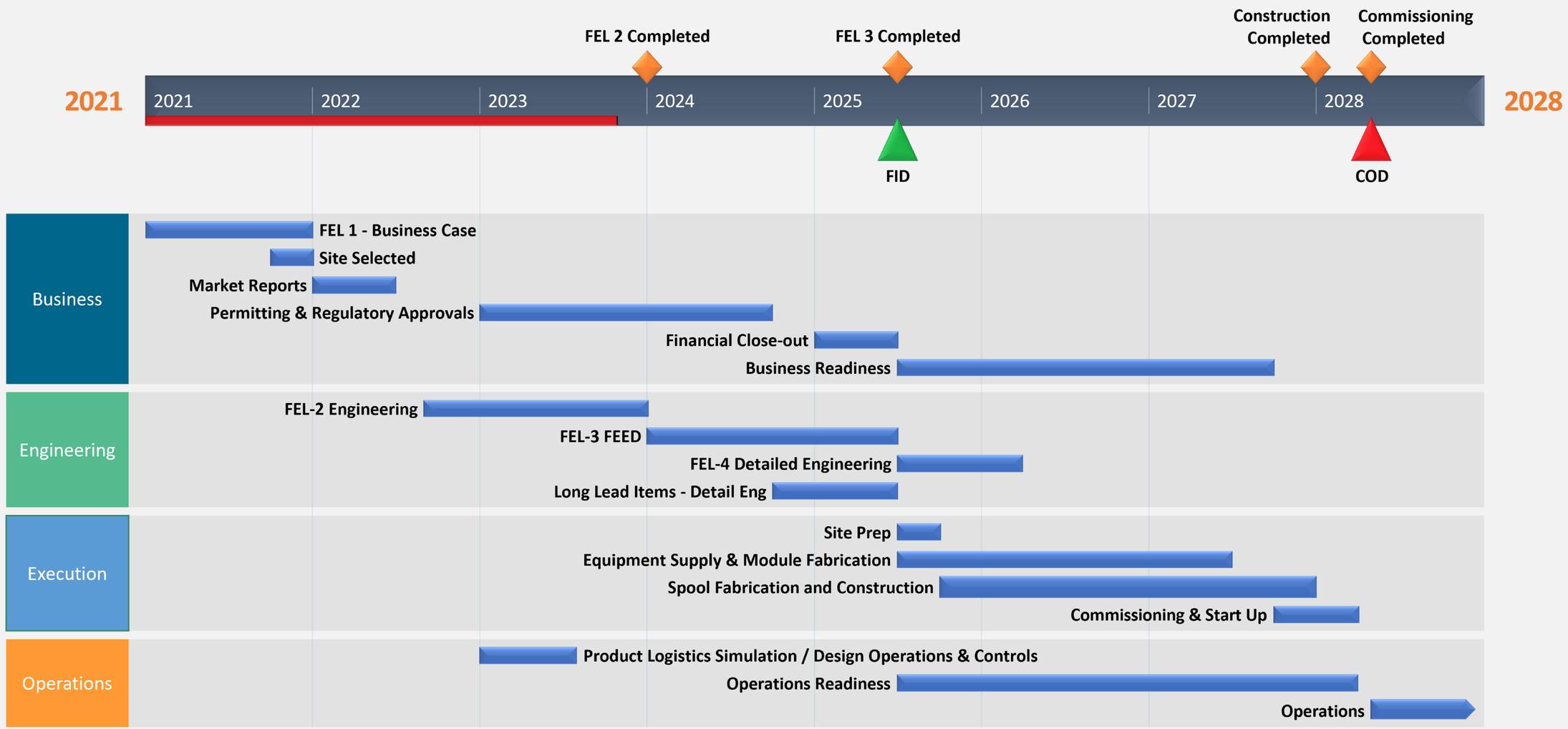

About The Project

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Why Gas-to-Liquids

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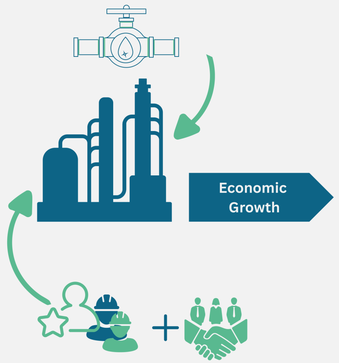
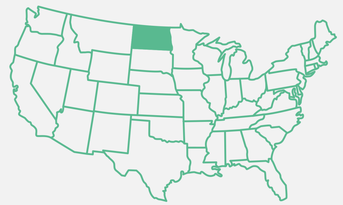


Why North Dakota

After an exhaustive site selection study, Cerilon selected Trenton, North Dakota, due to its access to utilities/infrastructure, abundant natural gas supply, suitable geology for carbon sequestration, and available transportation to markets.



Why Cerilon

Cerilon offers employment opportunities that span the realms of artificial intelligence, machine learning, and advanced plant facilities. We will provide a dynamic and diverse array of roles both in the field and the office with progressive career paths.

Why We Need You

Cerilon is building a community of passionate individuals dedicated to propelling North Dakota to the forefront of the energy industry, creating diverse opportunities close to home. This means we need people with common sense values who are excited about cutting-edge technology.

Title

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Types of Education

- Degree in Chemical Engineering, Electrical Engineering, or other related engineering disciplines
- Demonstrated knowledge of practical process control work
- Completion of an industry-accredited training or apprenticeship program, relevant military training, or equivalent petrochemical work experience
- Post-secondary education in Health & Safety, Administrative Services, and Logistics
- Skilled trade school completion

Core Competencies

- Critical thinker
- Problem solver
- Collaborative mindset
- Adaptability
- Curiosity

All Levels Needed

Constructing and operating this plant will require all levels of expertise, ranging from veteran industry workers to mid-level trade workers to recent graduates from local universities and colleges.

About the Positions

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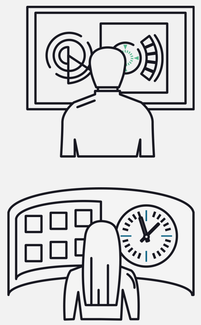
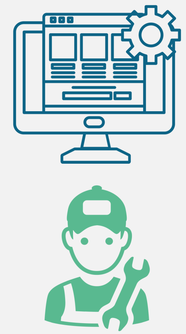
Control Systems Engineer



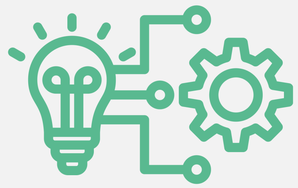
The focal point for process control system performances and technical assurance in the assigned production team. The CSE enables operations to efficiently and safely control operating units using the process control system tools and equipment, including field instrumentation, DCS hardware, base layer controls, complex controls, and Safety Instrumented Systems (SIS).

Maintenance Mechanic



Responsible for repairing and maintaining rotating process equipment. This includes disassembling/assembling equipment, machining and fabricating parts, troubleshooting, and overall maintenance of equipment such as pumps, compressors, fans, blowers, conveyors, gearboxes, and turbines. Fabrication and machining would be accomplished using machines like lathes, surface grinders, and vertical or horizontal mills.

Process Engineer



Responsible for designing, developing, and optimizing industrial processes to ensure efficient and cost-effective production. They must have a deep understanding of the technical and engineering principles involved in the production process and the ability to identify and solve problems.

Plant Operator

Tasked with remote technical monitoring and process performance reporting support as part of the extended Process Engineering team. Key areas include plant monitoring and improvement on key performance aspects such as process safety, manufacturing reliability, energy efficiency, yield improvement, and capacity expansion.

About the People

Hiring the Right People

- Diverse educational backgrounds
- Re-skilled individuals
- Diverse workforce

Supplier Partnerships

Cerilon will be looking to make local supplier or contractor partnerships directly through Cerilon or through our representatives.

Your Knowledge

Constructing and operating this plant will require all levels of expertise, ranging from veteran industry workers to mid-level trade workers to recent graduates from local universities and colleges. Training programs at local post-secondary and feeder programs from high schools.

Experience Examples

- Working at a new facility
- Participating in regular training and upskilling
- Enjoy learning new technology and new ways of work
- Shift work and familiarity with 24/7/365 facilities

How will I know when to apply?

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- **News Outlets**
  (Social Media, Newspaper, Radio/Podcasts)
- **Public Events**
  (Career Fairs, Open Houses)
- **Cerilon and Partner Websites**
  (Eg: Prime Construction Contractor)
- **State and City Job Boards**
- **Word of Mouth and Community Gatherings**

Subscribe to Learn about Cerilon News & Events

Scan Me

Environmental Leadership, Social Responsibility, & Governance

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ESG

At Cerilon, we manage relationships and assets in ways that lead to sustainable benefits for people, the environment, and the economy.
Cerilon is committed to our Environment, Social, and Governance (ESG) principles in all aspects of our operations. Cerilon's ESG Policy and Strategy define how we will integrate these principles into our daily actions and measure our success.

Environmental Leadership

We will anticipate and work to minimize our environmental footprint across the entire value chain, from the selection of our raw materials through the manufacturing process and all the way to product use and disposal. A key component of this will be our Product Stewardship program.

Environmental Leadership

We will manage our relationships with our workforce, partners, customers, suppliers, and the communities we work in so we can understand our impact on people across the value chain. We will proactively engage our stakeholders in meaningful ways and will work to create positive, measurable impacts in the community.

Governance

We will manage the company to maintain and enhance our ability to create value over the long term. We will act with integrity, including complying with applicable laws and regulations, adhering to internal policies, and taking responsibility for our actions.

Transportation, Safety, & Emergency Response

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Health, Safety, Security, and Environment (HSSE)

At Cerilon, HSSE considerations are paramount in all the decisions we make and in all of our actions. We believe zero harm is achievable through living our pillars of Ownership, Leadership, Stewardship, and Excellence.

Process Safety

Process safety is of the utmost importance for a GTL facility. It is achieved through inherent safe design, asset management, and disciplined operations. Our primary process safety objective is to prevent the loss of containment of hazardous gases and other substances, which can cause fires, explosions, and releases.

Transportation Logistics

Our products will be transported to our customers using railcars and tanker trucks. We are conducting a transportation logistic simulation and will complete a traffic study to understand potential impacts on regional traffic routes and communities.

Emergency Response

Cerilon has stringent requirements for emergency response services, capabilities, and reaction times. We are working with regional emergency response providers to develop a sustainable emergency services model that serves both Cerilon and the Trenton area.

Permitting, Studies & Plans

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Cerilon GTL will require several permits and authorizations from State and County agencies. Some of these authorizations require public hearings so that public input can be considered in the decision-making process.

We must demonstrate that our project can be operated safely and that we are working to mitigate any potential adverse impacts on people and the environment. Government decision-makers also consider the suitability of the site we have chosen and the economic benefits that the project will bring to North Dakota.

Cerilon believes early and transparent engagement with government and regulatory decision-makers is critical to project success. Since project inception, we have provided information and sought feedback from government and regulatory agencies.

Key Permits

ND Public Service Commission
- Certificate of Site Compatibility

ND Department of Environmental Quality
- Permit to Construct (Air Permit)
- Water Discharge Permit

Williams County
- Zoning and Conditional Use Permit
- Stormwater Permit

Southwest Power Pool
- Generator Interconnection Agreement

Environmental Studies & Plans

- Environmental Site Assessments
- Cultural Resources Inventories
- Threatened and Endangered Species Evaluation
- Wetlands and Water Bodies Delineation
- Best Available Control Technologies (BACT) Assessment
- Air Quality Assessment
- Noise Impact Assessment
- Traffic Impact Study
- Stormwater Management Plans
- Spill Prevention Control and Countermeasure Plan
- Environmental Protection Plans
- Facility Response Plan

Environmental Considerations

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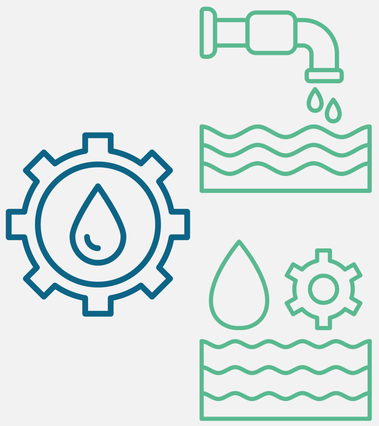
Air Quality, & Greenhouse Gases

- Air emissions at the facility will primarily be combustion products such as nitrogen oxides (NOx), particulates, and greenhouse gases (e.g., carbon dioxide).
- We must apply for a Permit to Construct (Air Permit) to ensure the facility meets all applicable regulations.
- We are conducting an air quality impact assessment to help us quantify and understand potential air quality impacts.
- Cerilon will install emission abatement technology on major sources and reduce greenhouse gas emissions by implementing carbon capture at the facility.
- We are also looking at other ways to minimize emissions and odors from the plant, including fugitive emissions management and paving internal roads to reduce dust.

Water Use & Management

- We will source raw process water from a purpose-built intake structure on the Missouri River. After use in our process, water will be treated, tested, and released to the Missouri River in compliance with applicable regulations.
- Because our process generates water, we expect to return approximately the same amount of water we take out.
- Our high level of water treatment means that there will be negligible effects on water quality in the Missouri River
- Stormwater management plans will be developed for both construction and operations. These plans will demonstrate how we will manage runoff to prevent erosion, avoid contamination, and prevent impacts to adjacent properties.



Environmental Considerations

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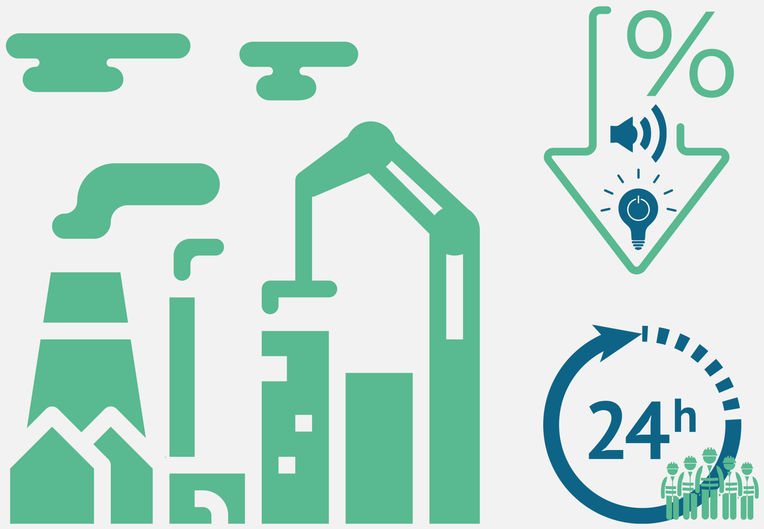
Noise, Light, & Visual Resources

There will be some additional noise generated at the facility. We will conduct a noise impact assessment to understand potential impacts on the community and to identify ways to mitigate these effects. This facility will operate 24 hours a day, with noticeable light. The facility will be visible to anyone traveling on the roadways adjacent to the project. We will incorporate best practices to mitigate these effects to the greatest extent possible.



Other Environmental Considerations

To align with our corporate sustainability principles, Cerilon is considering environmental impacts in all areas of project design. As engineering progresses, we are identifying ways to improve our environmental performance further and mitigate potential effects. Our process generates excess water and heat that we will use to generate power on-site to operate our plant with up to 50MW of extra power to sell into the grid. Studies have been completed to understand potential project effects on wildlife, wetlands, cultural resources, and the suitability of soils on site for future reclamation.